

Appl. No. 10/602,479
Amdt. dated September 3, 2004
Reply to Office Action of June 3, 2004

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Amendments to the Claims:

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

Claims 1-20 (canceled)

Claim 21 (currently amended) A method for effecting transactions across a plurality of vendors in an internet environment, wherein a user purchases a plurality of items the user finds independent of the vendors, comprising:

displaying the plurality of items for purchase, the plurality of items drawn from the plurality of vendors;

receiving from the user a selection of items to purchase from the plurality of items, the selection of items comprising items from at least two vendors from the plurality of vendors;

mapping the selection of items to purchase to a selected set of vendors from the plurality of vendors;

determining a plurality of forms corresponding to the set of vendors for the selection of items, each form in the plurality of forms comprising at least one attribute;

extracting attributes from the forms to construct a transaction wrapper for each of the forms, wherein the attributes are associated with fields in the forms that are filled to consummate the purchase;

filling in the plurality of forms based on with user related information stored in a database using a the transaction wrapper; and

submitting the plurality of forms to the set of vendors using the transaction wrapper.

Claim 22 (currently amended) The method according to claim 21 wherein filling in the plurality of forms based on the user related information stored in the database further comprises:

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~~capturing logic for a first one of the forms of a first selected vendor that needs to be filled to consummate the purchase using a first wrapper program; and~~
~~gathering information from a user database using a second wrapper program~~
~~gathering information from web pages that contain the forms using an information gathering wrapper.~~

Claim 23 (previously presented) The method according to claim 21 wherein filling in the plurality of forms based on the user related information stored in the database further comprises:

filling in a first one of the forms for a first selected vendor using a first wrapper;
and

filling in a second one of the forms for a second selected vendor using a second wrapper.

Claim 24 (previously presented) The method according to claim 23 wherein filling in the plurality of forms based on the user related information stored in the database further comprises:

filling in a third one of the forms for a third selected vendor using a third wrapper.

Claim 25 (previously presented) The method according to claim 21 further comprising:

passing control to the user after filling in the plurality of forms to perform a confirming operation; and

tracking confirmation information returned by the set of vendors in response to submitting the plurality of forms.

Claim 26 (previously presented) The method according to claim 21 wherein displaying the plurality of items for purchase further comprises:

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searching the internet environment for the plurality of items matching a set of user specified criterion; and

displaying a first web page comprising the plurality of items matching the set of user specified criterion.

Claim 27 (currently amended) A computer program product embodied on a computer readable storage medium for effecting transactions across a plurality of vendors in an internet environment, wherein a user purchases a plurality of items the user finds independent of the vendors, comprising:

code for displaying the plurality of items for purchase, the plurality of items drawn from the plurality of vendors;

code for receiving from the user a selection of items to purchase from the plurality of items, the selection of items comprising items from at least two vendors from the plurality of vendors;

code for mapping the selection of items to purchase to a set of vendors from the plurality of vendors;

code for determining a plurality of order entry forms corresponding to the set of vendors for the selection of items, each order entry form in the plurality of order entry forms comprising at least one attribute;

code for extracting attributes from the order entry forms to construct a transaction wrapper for each of the order entry forms, wherein the attributes are associated with fields in the order entry forms that are filled to consummate the purchase;

code for filling in the plurality of order entry forms ~~based-on~~ with user related information stored in a database using a the transaction wrapper; and

code for submitting the plurality of order entry forms to the set of vendors using the transaction wrapper.

Claim 28 (currently amended) The computer program product of claim 27 wherein the code for filling in the plurality of order entry forms further comprises:

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~~code for capturing logic for a first one of the forms of a first selected vendor that needs to be filled in to consummate the purchase using a first wrapper program; and code for gathering information from a user database using a second wrapper program~~

code for gathering information from web pages that contain the order entry forms
using an information gathering wrapper.

Claims 29-30 (canceled)

Claim 31 (previously presented) The computer program product of claim 27 further comprising:

code for passing control to the user after filling the plurality of order entry forms, wherein the user performs a confirming operation prior to submitting the plurality of order entry forms to the set of vendors.

Claim 32 (previously presented) The computer program product of claim 27 further comprising:

code for tracking confirmation information returned by a one vendor in response to submitting the order entry form to the one vendor.

Claim 33 (currently amended) A system for effecting transactions across a plurality of vendors in an internet environment, wherein a user purchases a plurality of items the user finds independent of the vendors, comprising:

a client system;

a server in communication with the client system;

wherein the client system is configured to display to the user the plurality of items for purchase, the plurality of items drawn from the plurality of vendors;

wherein the client system is configured to receive from the user a selection of items to purchase from the plurality of items, the selection of items comprising items from at least two vendors from the plurality of vendors;

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wherein the server is configured to map the selection of items to purchase to a set of vendors from the plurality of vendors;

wherein the server is configured to determine a plurality of order entry forms corresponding to the set of vendors for the selection of items, each order entry form in the plurality of order entry forms comprising at least one attribute;

wherein the server extracts attributes from the order entry forms to construct a transaction wrapper for each of the order entry forms, the attributes being associated with fields in the order entry forms that are filled to consummate the purchase;

wherein the server is configured to fill in the plurality of order entry forms based on user related information stored in a database using a the transaction wrapper; and

wherein the server is configured to submit the plurality of order entry forms to the set of vendors using the transaction wrapper.

Claim 34 (previously presented) The system of claim 33 wherein the server is further configured to fill in a first one of the order entry forms for a first selected vendor using a first wrapper, and to fill in a second one of the order entry forms for a second selected vendor using a second wrapper.

Claim 35 (previously presented) The system of claim 34 wherein the server is further configured to fill in a third one of the order entry forms for a third selected vendor using a third wrapper.

Claim 36 (previously presented) The system of claim 33 wherein the server is further configured to track confirmation information returned by a selected vendor in response to submitting the order entry form to the selected vendor.

Claim 37 (currently amended) The system of claim 33 wherein the server is further configured to capture logic for a first one of the order entry forms of a first selected vendor that needs to be filled to consummate the purchase using a first wrapper program, and to

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~~gather information from a user database using a second wrapper program gather information from web pages that contain the order entry forms using an information gathering wrapper.~~

Claims 38-40 (canceled)

Claim 41 (previously presented) The system of claim 37 wherein the server is further configured to gather information from a user meta-database and a user selection database and to use the information to fill in the order entry forms.

Claim 42 (currently amended) The method according to claim 22 wherein ~~gathering the information from the user database further comprises gathering the~~ 21 wherein ~~filling in the plurality of forms further comprises gathering the user related~~ information from a user meta-database and a user selection database and using the user related information to fill in the ~~order entry~~ forms.

Claim 43 (currently amended) The method according to claim 28 ~~27~~ wherein the code for gathering the information from the user database using the second wrapper program wherein the code for filling in the plurality of order entry forms further comprises code for gathering the information from a user meta-database and a user selection database and using the information to fill in the order entry forms.